

## INTERNATIONAL SEARCH REPORT

Intern: Application No  
PCT/EP2004/010386

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C12N9/10 C12N15/54 C12Q1/68 G01N33/50

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C12N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, Sequence Search, WPI Data, EMBASE, BIOSIS, PAJ, FSTA

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 03/053363 A (MILLENNIUM PHARM INC) 3 July 2003 (2003-07-03) the whole document	1-41
X	----- DATABASE EMBL 'Online! 30 November 2002 (2002-11-30), "Homo sapiens diacylglycerol O-acyltransferase 2-like 3, mRNA (cDNA clone IMAGE:4746146), partial cds." XP002310451 retrieved from EBI accession no. EM_HUM:BC039181 Database accession no. BC039181 cited in the application the whole document ----- -/--	1-41

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

## \* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- \*&\* document member of the same patent family

Date of the actual completion of the international search

14 December 2004

Date of mailing of the international search report

30/12/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax (+31-70) 340-3016

Authorized officer

Piret, B

## INTERNATIONAL SEARCH REPORT

Intern d Application No

PCT/EP2004/010386

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 02/068595 A (ZHOU PING ; CASES SYLVAINÉ (US); FARESE ROBERT V (US); STONE SCOT (US)) 6 September 2002 (2002-09-06) claim 5; figure 8B -----	
A	LOCKWOOD JOHN F ET AL: "Human intestinal monoacylglycerol acyltransferase: differential features in tissue expression and activity." AMERICAN JOURNAL OF PHYSIOLOGY. ENDOCRINOLOGY AND METABOLISM. NOV 2003, 'Online! vol. 285, no. 5, November 2003 (2003-11), pages E927-E937, XP002310529 ISSN: 0193-1849 Retrieved from the Internet: URL: <a href="http://ajpendo.physiology.org/cgi/content/abstract/285/5/E927">http://ajpendo.physiology.org/cgi/content/abstract/285/5/E927</a> 'retrieved on 2004-12-14! First published June 24, 2003; doi:10.1152/ajpendo.00179.2003 -----	
A	CAO J ET AL: "Properties of the Mouse Intestinal Acyl-CoA: Monoacylglycerol Acyltransferase, MGAT2" JOURNAL OF BIOLOGICAL CHEMISTRY, AMERICAN SOCIETY OF BIOLOGICAL CHEMISTS, BALTIMORE, MD, US, vol. 278, no. 28, 1 May 2003 (2003-05-01), pages 25657-25663, XP002979763 ISSN: 0021-9258 -----	

# INTERNATIONAL SEARCH REPORT

In international application No.  
PCT/EP2004/010386

## Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☒ Claims Nos.: 30, 39-41  
because they relate to subject matter not required to be searched by this Authority, namely:  
Although claims 30 and 39-41 are directed to methods of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.
2. ☐ Claims Nos.:  
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:  
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

## Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.  
☐ No protest accompanied the payment of additional search fees.

BEST AVAILABLE COPY

## INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP2004/010386

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 03053363	A	03-07-2003	EP 1455815 A2	15-09-2004
			WO 03053363 A2	03-07-2003
			US 2003170691 A1	11-09-2003
WO 02068595	A	06-09-2002	US 2002119138 A1	29-08-2002
			US 2003124126 A1	03-07-2003
			EP 1373483 A2	02-01-2004
			WO 02068595 A2	06-09-2002
			US 2003161831 A1	28-08-2003
			US 2003202968 A1	30-10-2003

BEST AVAILABLE COPY